

Notice of Allowability

Application No.

10/642,376

Applicant(s)

KUCHINSKY ET AL.

Examiner

Navneet K. Ahluwalia

Art Unit

2166

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/02/2007.
2. ☒ The allowed claim(s) is/are 1,4-12,16-20,23-48,50-64,67-75 (Previously renumbered as 1 - 65).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 01/02/2007
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20070131.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.



HOSAIN ALAM
SUPERVISORY PATENT EXAMINER

DETAILED ACTION

1. This communication is in response to request for continued examination filed on 01/02/2007.
2. After a further search and a thorough examination of the present application in view of the proposed amendments and in light of the prior art of records, claims 1, 4 – 12, 16 – 20, 23 – 48, 50 – 64, 67 – 75 are allowed. Claims 2 – 3, 13 – 15, 21 – 22, 49 and 65 – 66 remain cancelled without prejudice.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney, Mike Beck, Registration No. 40,907 on January 31, 2007.

4. Please amend the claim that was amended by examiner's amendment filed on 10/04/2006 as follows:

68. (Currently Amended) A computer readable medium ~~carrying~~ embodying one or more sequences of instructions for user involvement in extracting and disambiguating biological information in text to be used in generating a biological diagram, wherein execution of one or more sequences of instructions by one or more processors ~~causes the one or more processors to perform~~ results in performing the steps of:

importing at least a portion of a textual document into a text viewer, said text viewer including a display on which said at least a portion of the text document is viewable;

text mining the at least a portion of a textual document to extract nouns and verbs therefrom and identify the extracted nouns and verbs as biological entities and interactions;

listing the identified entities and interactions in a list-based text editor;

assigning directionality to the listed interactions by associating listed entities as affecters or affecteds with respect to the interactions;

converting the extracted nouns and verbs into a local format representation as the entities and interactions; and

generating, displaying and interactively manipulating a biological diagram, based upon the entities and interactions represented in said local format.

Information Disclosure Statement

5. The information disclosure statement filed 01/02/2007 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. It has been placed in the application file, but the information referred to stricken through reference therein has not been considered.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Navneet K. Ahluwalia whose telephone number is 571-272-5636.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alam T. Hosain can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Navneet
Navneet K. Ahluwalia
Examiner
Art Unit 2166

Dated: 01/31/2007

*TM
2/1/07*

mfam
HOSAIN ALAM
SUPERVISORY PATENT EXAMINER